SEQUENCE LISTING

<110> Latterich et al., Martin

<120> sequence and method for increasing protein expression in cellular expression systems

<130> 1211.001US1

<160> 2

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 852
<212> DNA
<213> Saccharomyces cerevisiae

<400> 1

atggttcaag ctatcaaatt aaatgattta aaaaatagga agagaaaaaa tgtggaggaa 60
gaaaatggca gtgacgagtc tgaaattgac attagtagca ccgattcaga aaatgaagaa 120
gagcaaaatg gagaagaaga gatcgtaaat attgacttcg atttttttcgg tggtaaccca 180
gaagttgatt ttcatgcttt aaagaattta ctgcgtcagt tatttggtcc tcaagaaagt 240
accaggattc aactaagcag cttggcagat ttgatcctag gttccccaac caccacaatt 300
aaaacagacg gcaaagaatc tgatccatac tgttttcttt cattcgttga tttcaaagct 360
aatcatctaa gtgattatgt caaatattta caaaaagtgg acatgagact ttccactttc 420
ttcaaaacta tgattgatag tggtaataaa aattgtgctt tggttctcag tgaaaggctg 480
attaatatgc caccggaagt cgttccacct ttatacaaga ttacgttgga ggatgttgcc 540
acggcacttg gcgatgacaa acattatgac ttctatatca tcgtcaccag gaagtatgaa 600
gtaaattttg acactgacga tgataccgac tctggtaaga ggaataaaaa caaagacgaa 660
agatccaaaa aaagggtgaa ggccgatgaa gtagactact ttcatgagga ggaccgattt 720
tttgaaaaat atgccaagat tcacttcgaa tcagaagcta aaaagggtgt tatcagctca 780
tacatgattc ttgatcacga aggccttgtc aaaagtatcg atgaattgga aacagaaatt 840
tccacttggt aa 852

<210> 2

<211> 283

<212> PRT

<213> Saccharomyces cerevisiae

<400> 2

```
Met Val Gln Ala Ile Lys Leu Asn Asp Leu Lys Asn Arg Lys Arg Lys
 1               5                  10                  15
Asn Val Glu Glu Glu Asn Gly Ser Asp Glu Ser Glu Ile Asp Ile Ser
            20                  25                  30
Ser Thr Asp Ser Glu Asn Glu Glu Glu Gln Asn Gly Glu Glu Glu Ile
        35                  40                  45
Val Asn Ile Asp Phe Asp Phe Phe Gly Gly Asn Pro Glu Val Asp Phe
    50                  55                  60
His Ala Leu Lys Asn Leu Leu Arg Gln Leu Phe Gly Pro Gln Glu Ser
65                  70                  75                  80
Thr Arg Ile Gln Leu Ser Ser Leu Ala Asp Leu Ile Leu Gly Ser Pro
                85                  90                  95
Thr Thr Thr Ile Lys Thr Asp Gly Lys Glu Ser Asp Pro Tyr Cys Phe
            100                 105                 110
Leu Ser Phe Val Asp Phe Lys Ala Asn His Leu Ser Asp Tyr Val Lys
        115                 120                 125
Tyr Leu Gln Lys Val Asp Met Arg Leu Ser Thr Phe Phe Lys Thr Met
    130                 135                 140
Ile Asp Ser Gly Asn Lys Asn Cys Ala Leu Val Leu Ser Glu Arg Leu
145                 150                 155                 160
Ile Asn Met Pro Pro Glu Val Val Pro Pro Leu Tyr Lys Ile Thr Leu
                165                 170                 175
Glu Asp Val Ala Thr Ala Leu Gly Asp Asp Lys His Tyr Asp Phe Tyr
            180                 185                 190
Ile Ile Val Thr Arg Lys Tyr Glu Val Asn Phe Asp Thr Asp Asp Asp
        195                 200                 205
Thr Asp Ser Gly Lys Arg Asn Lys Asn Lys Asp Glu Arg Ser Lys Lys
    210                 215                 220
Arg Val Lys Ala Asp Glu Val Asp Tyr Phe His Glu Glu Asp Arg Phe
225                 230                 235                 240
```

```
Phe Glu Lys Tyr Ala Lys Ile His Phe Glu Ser Glu Ala Lys Lys Gly
                  245                 250                 255
Val Ile Ser Ser Tyr Met Ile Leu Asp His Glu Gly Leu Val Lys Ser
              260                 265                 270
Ile Asp Glu Leu Glu Thr Glu Ile Ser Thr Trp
          275                 280
```